



Weighing grain in the scales is an exacting responsibility and is hooked up with the signal system above shown. Here Harold Hays in the elevator of A. E. Staley Mfg. Co. Decatur, Ill. is "talking" to the shoveler boss by means of these colored lights.

# Grain

SEPTEMBER 1949

THE MAGAZINE OF PLANT MANAGEMENT AND OPERATION





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# Grain

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SEPTEMBER 1949

## THE MAGAZINE OF PLANT MANAGEMENT AND OPERATION

DEAN M. CLARK, Publisher  
NEWTON C. EVANS, Editor  
FRANK J. SLEPICKA, Advertising  
Director

### REPRESENTATIVES

New York (17) K. C. PRATT  
50 E. 42nd St. MUrray Hill 2-3737  
Chicago (10) DWIGHT M. BLISH  
100 W. Chicago Ave. SUperior 7-8734

### SUBSCRIPTION

1 year \$2.00 3 years \$5.00  
Overseas \$3.00 Single Copy 25c

# What Each Means to the Other The Grain and The Northwest

CHARLES H. HUNTTING

Vice-Pres., Van Dusen-Harrington Co.

**M**OST of you, I know, are familiar in a general way with the reasons for the growth of Minneapolis as a grain marketing center. Our early flour mills were built along the banks of the Mississippi River because the river provided the power necessary for their operation. In 1823 a small grist mill was built to grind food and feed for the historic United States Army post at Fort Snelling. Early settlements sprang up along the river within easy hauling distances of the mills. Farmers moved their grain to the mills by wagon.

Later, as more farmers took up land in the territory, they settled away from the river and out of wagon range of the mills. The railways, with Minneapolis as a centering hub, gradually extended their rail lines out from here to service the expanding acreage broken to the farmer's plow. Along these rail lines country elevators sprang up to buy the farmer's grain in his own community. There are now more than 4,000 privately and co-operatively owned country elevators in the four Northwestern states.

Only a small proportion of the grain delivered to these country elevators is consumed in the districts where it is grown. A need, therefore, was felt for a convenient meeting place where grain delivered to country elevators could be displayed to buyers from other areas. This need was met by the organization in 1881 of the Minneapolis Chamber of Commerce, or as it is now known, the Minneapolis Grain Exchange.

### More Storage Needed

As grain production increased, need for additional storage facilities developed. This need was met by the growth of terminal eleva-

tors which naturally centered themselves in the central market place at Minneapolis. If we think of it, this was a natural development. Grain is harvested in the fall, and large quantities are delivered to country elevators. Demand from consumers, however, is spread over the full crop year. There are hence periods when mills and other processors are not in the market as buyers. During these periods terminal elevators make an important contribution to the smooth and uninterrupted functioning of the market, enable processors and terminal elevator operators to insure themselves against the risk of price change and now they are, therefore, able to maintain for the benefit of the farmer and the consumer alike a ready and constant market.

### Statistics

Here is a sample of what I mean. In 1947, 365,000,000 bushels of grain sold in Minneapolis. If this quantity were multiplied by the price at which this grain sold, you would have an enormous number of dollars. Then take all the industries in the area which depend on grain—the mills—or perhaps I should put the breweries and distilleries in first place—the cereal and feed manufacturers, the linseed oil and paint plants, the terminal grain elevators—think what these industries mean in terms of bank credit, employment, and volume of sales. But this is only a part of the story. Think of what all this means to the transportation industry—the railways and trucks. There is the freight revenue on the movement of grain from country points to market centers and the freight revenue on grain and processed products to consuming areas. Here is another big financial and employment contribution. One could go

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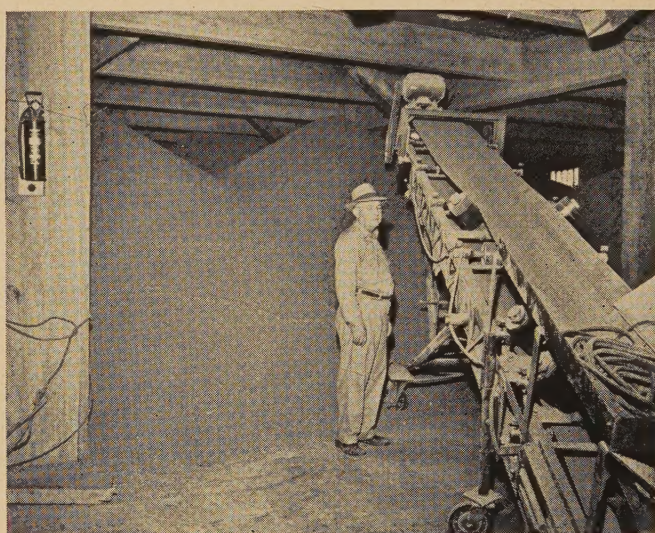
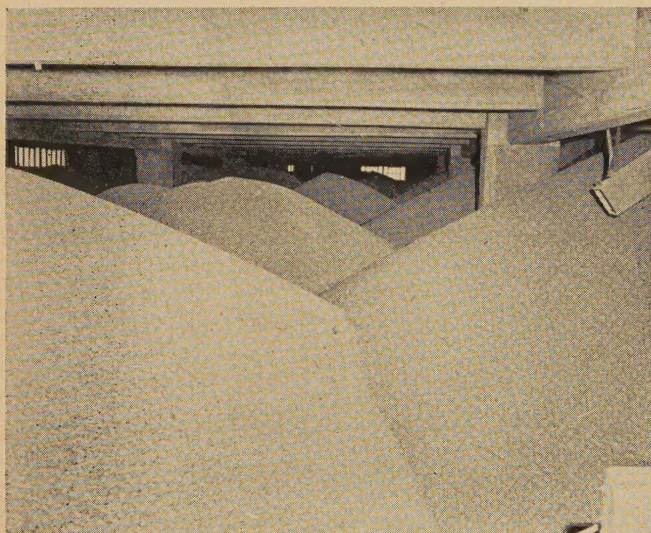
on forever talking about the hundreds of other things like advertising, packaging, sacking, and what not until one could get around the world and back. You can see what I mean perhaps when I intimated that here is a paradise made to order for a statistician. But I think I've said enough to convince you that the industry of which you are a part means something to this community and to the nation as a whole.

But there is a final point which I want to make. It is a difficult point to explain, but to me it is

the most important thing of all in this gigantic business operation we have been talking about. The grain industry is a part, but only a part, of a very intricate mechanism which we have always had operating in this country and which for want of a better name we may call the free market. Always from our early beginnings in America our individual citizens have fought for and won for themselves a climate of freedom. I don't have to recall to you the words which that great fighting Irishman, Patrick Henry, addressed to the members of the

Virginia Assembly. Our ancestors came from many lands, leaving their native sod to assume grave risks and to take long chances in the hope of better things for themselves and their posterity. This willingness to assume risks, or perhaps spirit of adventure is a better phrase for it, has always been characteristic of our people. It has broken our land, cleared our forests, built our railways and factories until today our productive capacity and our material standards of well being are the envy of the world.

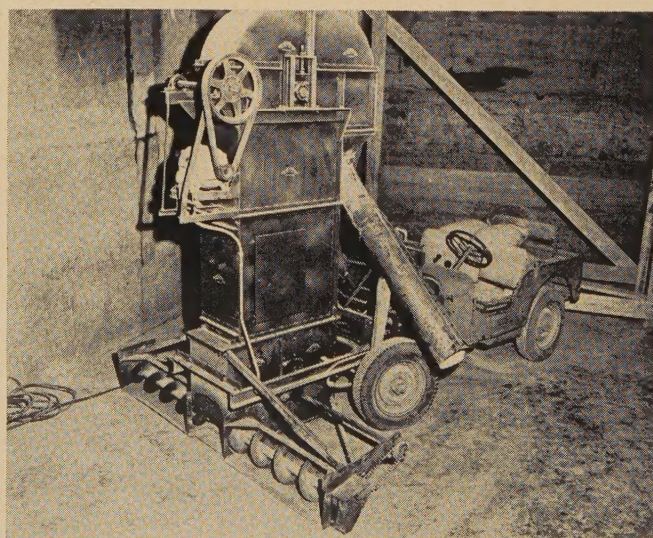
(Continued on Page 14)



**T**HIS Fort Worth warehouse here shown was formerly used by the Uhlmann Elevators Co. of Texas to store sacked commodities. Now it is filled with bulk grain, as witness the partial view of 260,000 bus. of milo piled on the floor. The problem of handling it was well solved by Supt. E. B. (Red) Goughnour of the Rock Island Elevator of the firm who is also an active SOGES member.

On the roof of the building a belt conveyor tripper was installed with holes in the roof for discharge into the upper floor. Holes have been cut in the floor of the second story to allow the grain to pour into the lower floor. There is a screw conveyor on hangers attached to the ceiling of the first floor. This conveyor runs the entire

## Handling Bulk Grain in Flat Warehouse



length of the warehouse and discharges into one of the tanks of the grain elevator, to which the warehouse is attached.

The lower view shows a pickup-leg (attached to a jeep) designed by Mr. Goughnour. In order to minimize fire hazard, he removed the gasoline engine from the jeep and installed an electric motor. This is a mobile unit and is driven into the pile of grain. The grain picked up by this machine is discharged onto a mobile conveyor belt shown in view at right. This machine was also designed by Mr. Goughnour, who is in the picture.

This mobile conveyor is used both in filling the warehouse and also in emptying it by discharging the grain into the screw conveyor attached to the ceiling.



# *Soybean Research Work on* **Oils—Isolated Protein for Industrial Purposes**

FOR thousands of years the soybean was meat, bread and milk to the Mongolians. It came to America as a curiosity for botanical gardens and experiment stations. Only about 30 yrs. ago was it really "discovered" here.

## **Demand for Fats and Oils**

One reason for the broadened soybean acreage is the urgent need for fats and oils, both in this country and in war-torn lands across the sea. It is estimated that the total output of fats and oils from domestic materials in the crop year beginning October, 1948, may be 3 to 4% larger than the almost 10 billion lb. output in 1947-48.

A recent activity in soybean research is a study of 20 varieties of soybeans with respect to quality and quantity of oil. These 20 samples of soybeans, representing the most promising strains now being grown at several stations, were selected and prepared by J. L. Cartter and colleagues of the U. S. Regional Laboratory at Peoria, Ill. The study of these soybeans was carried out in the pilot plant and laboratories of the Buckeye Cotton Oil Co., Ivorydale, Ohio, under the direction of O. H. Alderks, member of the Soybean Research Council.

## **Flavor Reversion**

Among the many studies made of these soybeans, one of the most interesting phases centered on the yield and quality of soybean oil with respect to flavor reversion.

Samples analyzed for oil varied from 17.41% to 22.9% dry basis, equivalent to a difference of 98.8 lbs. per ton of 10% moisture soybeans. The quality and flavor stability of each solvent extracted oil from the 20 strains was top No. 1 grade. The oils were equal in flavor stability to the best quality commercial oils.

The work was planned to determine whether the genetic composition of various soybean strains differed in regard to their ability to produce oil of good quality and whether the oils from these various strains might differ in flavor stability for any reason.

It also was desired to determine if, by agronomic selection and development of soybean varieties, it would be possible to reduce the linolenic acid content in soybean oil.

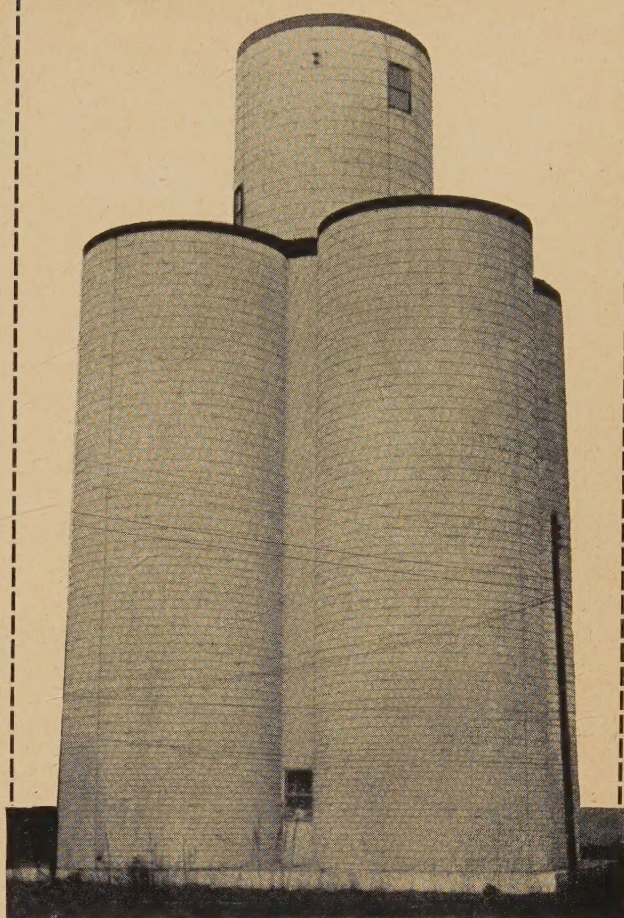
Some investigators working on the soybean oil flavor reversion problem have attributed flavor reversion to result from oxidation products of the more unsaturated portion of the oil. Also, it has been suggested that various minor constituents in the oil possibly affected flavor stability by acting as catalysts to promote a certain type of oxidation.

Cottonseed, peanut, sesame, and sunflower seed oils contain no linolenic or triple unsaturated fatty acids, and flavor reversion of the soybean oil type, therefore, is not encountered with these oils.

If linolenic acid could be eliminated from the composition of soybean oil perhaps the flavor reversion problem would be eliminated as well.

Representative samples of the 20 varieties of soybeans were analyzed in duplicate for percentage of oil, percentage of ammonia and percentage of water. The vari-

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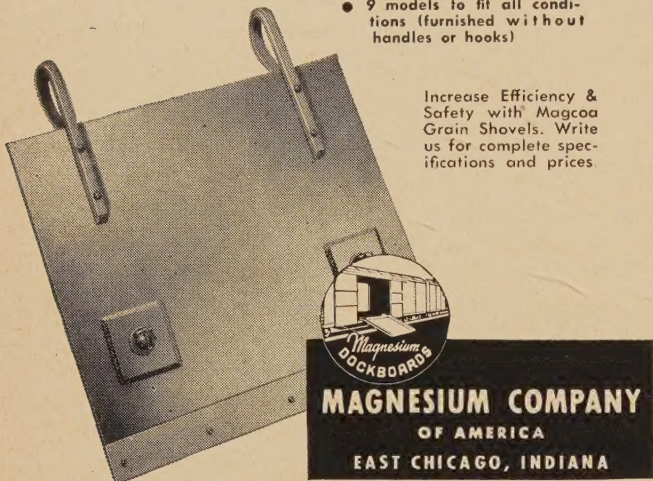
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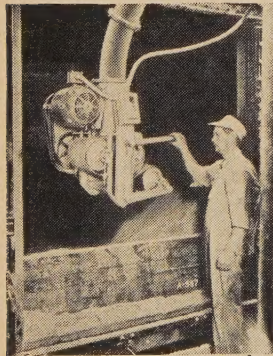
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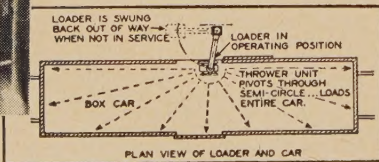
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ety Roanoke contained the most oil, namely 22.76% dry basis.

### Edibility Tests

Results of the edibility tests of oil from the 20 strains of soybeans showed the free fatty acids of the extracted oils were low, varying from .3 to .9% and the refining losses were uniformly low with three exceptions.

All of the solvent extracted refined and bleached oils from the selected strains were tested for flavor stability. The unhydrogenated oils show exceptional uniformity of flavor quality. The aged flavors were obtained after exposure in new, open tin cans at 140 degrees F for two days.

The hydrogenated and deodorized oils had remarkable uniform low colors, varying from .1 to .3 red. These oils were flavored fresh and after aging several days in new, open tin cans at 140°F.

All of the oils showed flavor reversion after aging. If there were differences in quality and flavor stability among these oils the present organoleptic tests which were used are not sufficiently accurate to show any slight differences in single tests.

### Isolated Protein

Still another important and interesting result of the research deals with the yield and quality of isolated protein for industrial usage.

Average yield of all 20 strains, of alkali extracted purified isolated protein, was 36.1%, dry basis. The yields varied widely from 33.1% to 42.7%, dry basis Roanoke variety and Arksoy 2913 gave the highest yields of industrial protein.

The color of the purified proteins obtained from all varieties was in each case normal.

Satisfactory solution times were found on five samples tested. This property of isolated protein depends on protein extraction and processing conditions rather than on soybean strain.

### Variations in Lysine

The greatest difference between the strains of soybeans is in their lysine contents, but these differences are insignificant.

No differences of any consequence were obtained in the rat growth tests, conducted with flakes from the strains which showed the largest and smallest amounts of lysine. It may be concluded, therefore, that the raw flakes differ only slightly in the percentages of the various amino acids which they contain.

The toasted flakes contained less lysine than the hexane extracted desolventized raw flakes. An average drop was shown from 6.60% to 6.28%. Other "essential" amino acids were not affected.

Summarizing the availability of amino acids based on in-vitro enzyme digestion tests, in-vitro enzyme digestion followed by micro-biological assay was applied to methionine, lysine and tryptophane.

A summary of these results follows:

Amino Acid	Total in Protein	Amount in the protein Available to in-vitro enzyme digestion	
		Average %	Range %
Methionine	140%	0.70	0.57 to 0.84
Lysine	6.62	5.40	4.66 to 6.15
Tryptophane	1.53	1.10	0.97 to 1.19

When the results are considered in the light of the accuracy of these new methods, it appears certain that there are no real differences between the varieties in available tryptophane. There seems to be some possibility of significant differences in the availability of methionine and lysine.—From a study made by Soybean Research Council.



# ON THE SAFETY FRONT

Conducted By  
WALTER TEPPEN, SOGES Safety Director

## FIRE PREVENTION WEEK

President Truman, the Governor-General of Canada and the Governors of the various states have proclaimed Oct. 9 to 15 as Fire Prevention Week. Each President in turn has proclaimed the week which contains Oct. 9, the anniversary of the Great Chicago Fire, as "Fire Prevention Week."

This week is now thoroughly established its observance is looked on as the beginning of an entire year of intensive fire-safety work.

## A WONDERFUL RECORD

The following information submitted by Paul D. Litson, was received too late to show in the tabulation of Safety Scores printed in a recent issue of GRAIN.

Pillsbury Mills, Inc., Enid, Oklahoma, Claud Nicholson Gen. Supt. Accident score, 1948:

364,614 man hours, no lost time accident, no lost time days.

Each department of the plant had a perfect score. The elevator group worked 31,210 man hours, and as of Jan. 1, had gone 549 days without a lost time accident.

This is a remarkable record, and we hope that they can keep it up all through 1949.

## BIG SAFETY MEETING IN CANADA

We have just had a large safety meeting held at the Lakehead under the auspices of the Terminal Elevator Managers Safety Committee and the Industrial Accident Prevention Association of Ontario. We had around 2000 in attendance at the general session and representatives from as far west as Winnipeg and as far east as Montreal.—L. C. Irwin, Searle Grain Co., Ltd., Fort William, Ont.

On the 20th ultimo we had a number of meetings at the Lakehead, including a meeting of the Board of Directors of the Millers, Feed Manufacturers and Grain Elevators Accident Prevention Association under the chairmanship of L. R. Davidson, Toronto Elevators Limited, Toronto; a mass meeting of employees of the Elevators in the afternoon at 2 o'clock under the chairmanship of

W. G. Kotchapaw, Fort William Elevator Company Limited, Winnipeg, and a dinner at night given by the Lakehead Terminal Elevators Association.

The afternoon meeting for the employees came close to being unique, because the companies had given a half holiday with pay to about 2,000

employees to encourage them to attend the meeting. You will see, therefore, that this initial expense was considerable. Mr. Kotchapaw for some little time had been endeavoring to get a meeting at the Lakehead and I was tickled to death that the whole affair went off so remarkably well.

In addition to representation from Winnipeg and Toronto, we had three other cities in Ontario; namely, Chatham, Woodstock and Peterborough. The newspapers at Fort William and Port Arthur gave us excellent publicity and I know that Mr. Kotchapaw and Mr. Metcalfe, both of Winnipeg, felt that they had an ade-



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## SAFETY RECORDS FOR FIRST SIX MONTHS 1949

Code	Man Hrs. Worked	Lost Time Accidents	Lost Time Days	Frequency Rate	Severity Rate
C 105	124467	0	0	-----	-----
K 136	59822	0	0	-----	-----
W 64 5 mos.	26065	0	0	-----	-----
N 40	23395	0	0	-----	-----
P 14	17177	0	0	-----	-----
X 92	15864	0	0	-----	-----
A 57 5 mos.	15364	0	0	-----	-----
M 25	13026	0	0	-----	-----
M 38	10496	0	0	-----	-----
X 81	7164	0	0	-----	-----
C 2	405574	1	40	2.46	.09
C 23	250186	5	1276	19.98	5.10
D 3	47774	1	17	20.89	.35
D 22 5 mos.	39131	1	49	25.29	1.25
X 99	39522	1	19	25.30	.48
F 10	37442	1	*30	26.70	.80
M 41	27522	1	300	36.33	10.90
M 37	21173	1	*120	47.22	5.66
W 63	34148	2	17	58.56	.49
X 71	254019	17	*260	66.92	1.02
F 20 4 mos.	59429	4	*119	67.30	2.00
M 36	12661	1	1	78.98	.07
N 39	11560	1	25	86.50	2.16
O 84 3 mos.	16827	2	*150	118.85	8.91
M 42	16571	2	5	120.69	.30
<b>TOTAL</b>	<b>1586379</b>	<b>41</b>	<b>2428</b>	<b>25.21</b>	<b>1.53</b>

\*Estimated.

quate return on the time and effort they had put into that job and they did put an enormous amount of effort into it. — *R. B. Morley, Mgr., Industrial Accident Prevention Assn., Toronto, Ont.*

### SAFETY CONTEST NEWS

The accompanying Safety Record speaks for itself. It does not speak very loudly because so few superin-

tendents have been reporting on the monthly card.

We are pleased to note an improvement in the accident rate as compared with last year, but we are still poorer than the average industry and have a long way to go before we can claim an outstanding record.

We are very anxious indeed to increase the number of entries in the

current Safety Contest. Anything you can do to get a fellow Superintendent to enter the Contest will be appreciated.

Prompt reports are essential if our records are to be accurate and up-to-date. Send your cards to Dean Clark as soon after the first of the month as possible.—*Clarence Turning.*

### SAFETY IS EVERYBODY'S BUSINESS

**A**LL SOGES members should be interested in the 1949 Safety Contest. It should be the duty of each Chapter President to promote the entry of all its local members to get into the contest. Creation of stiff competition makes for better safety conditions. Safety record cards, filled out in detail and mailed in promptly will give us the required information in compiling data as to just what is being done in regard to safety problems.

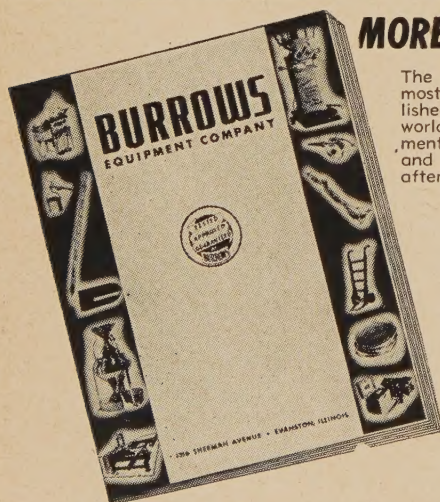
If any unusual accidents are reported with detailed explanations of how it happened, it may enable someone else to eliminate the same kind of mishap.

We have in mind an example of an accident which happened several years ago. A group of men were assigned to sweep down the walls of a car shed, each man equipped with a ladder, base of which was blocked against the rail tracks in shed, and each man furnished with a 10 to 14 ft. handled brush to reach the top of the walls.

After working for a while on the ladders, a suggestion was made to the foreman that it would be much more convenient to spot a box car in shed and work from top of the car as a man could then use both hands in handling the long brushes. The foreman agreed that this appeared to be the safest way and suggestion was carried out. About a half hour later one of the men came rushing into the foreman's office and reported that his working partner had fallen from top of the car. This man was picked up in a semi-conscious condition and rushed to the hospital, and after some time he died.

*What would you have done under these circumstances and what could be done to eliminate a recurrence of such an accident?*

We have all encountered something similar in our daily routine — maybe not a fatal accident such as in this particular case but a hazard never-



### MORE Than Just Another "Catalog"

The big, new Burrows Catalog is not **ONLY** the most comprehensive volume of its kind ever published . . . it not **ONLY** makes available the world's most complete source of supply for equipment of all kinds for Grain Elevators, Feed Plants and Seed Houses . . . it **ALSO** brings you page after page of

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theless, one that has perplexed us, and we have not been able to hit on the correct method of safeguarding the worker. It is by open-minded discussions and questions that we can successfully put through a real Safety Program.

Another question comes up regarding Dust Explosions: "Is Good House-keeping a Seasonal Occupation?" Do you keep your house clean at all times or is the clean up accomplished a day or two before "BIG SLIM" or CARL BERG come to town to check you over? These items are only preliminaries in our Safety Program, but they are some of the things that you should be well acquainted with at all times.

We cannot help you if you do not co-operate with us fully by getting everyone interested in Safety. If you will send in your names along with a small fee of \$5.00 and your Safety Records in full from Jan. 1, 1949, we will be able to keep you posted from time to time showing your standing in the Safety Contest.

Any questions you may have should be sent to the Safety Committee so we can get an interpretation from the committee as a whole. The more questions submitted the more interesting we can make our program and the more satisfaction you can get out of it.

We are striving towards a goal of all employes and managers carrying out safety rules. Concentrate on greater effort and co-operation towards this goal. Get together with your workers, discuss these mutual problems and endeavor to iron out any difficulties or hazards. Interchange of ideas towards efficiency and economy of operation through obeying Safety rules is a "MUST". Submit your reports and criticisms.

**SAFETY INCREASES EFFICIENCY.**

### SAFETY IS FOR YOU

It is amazing, during the investigation into the cause of an injury, how many times the three little words "I didn't think" crop up. The person speaking those words usually isn't kidding!

Let's look at a few examples right in your own plant of employes who have been injured — some of them people you know and were among those using the three little words, "I didn't think."

Their song and dance runs something like this: "I didn't think that anyone would run a truck wheel

over my toes" — or "that water on the floor could make it so slippery" or "that a little scratch could cause so much pain and misery" — or "that run-over shoes could cause me to fall so hard" — or "that someone else would be running toward me down the stairs" — or "that yelling at someone who is working could cause him to put his fingers in the machine" — or "that a little air could make her lose an eye" — or "that I needed any help to lift the load, I didn't think it was so heavy" or "that he would miss the stuff I was throwing to him."

These are just a few examples.

We could go on for several pages in this vein, giving example after example of injuries caused by failure to THINK! Failure to think is not necessarily malicious, but the results are just as bad as if it had been planned.

A great part of safety depends upon your own common sense, and common sense cannot be exercised unless you think, "Will what I am going to do injure myself or someone I'm working with?" Remember, thinking is necessary for safety, and safety is for you!—E. G. Hutzley, Campbell Soup Co.

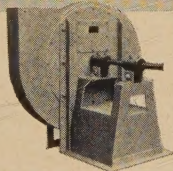


## DAY Dust Control



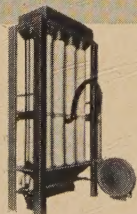
### Greater Safety

Removal of obnoxious dust concentrations minimizes explosive and fire hazards. A dust free plant reduces accidents. Cleaner air protects workmen's health and safety . . . helps prevent absenteeism.



### Improved Cleanliness

Reduces dust accumulations on beams, window ledges and machinery thus cutting housekeeping costs. Keeping dust out of machines prolongs their life . . . minimizes repair and replacement.



### Increased Efficiency

Improves working conditions and workmen's efficiency. Cleaner machines run smoother and give faster, more efficient production.

You get all these benefits with **DAY** Dust Control plus years of dependable, economical service.



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Remove the more explosive fine dust from the leg by continuous gravity action

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Release pent-up gases and flames in case of an explosion

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Minimize the possibility of a secondary explosion by continuously venting gases

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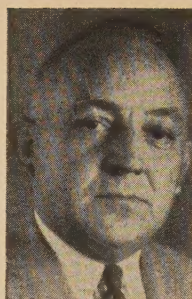
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Inspect your elevator and recommend proper sizes and number of ventilators to secure maximum protection at minimum expense.

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## THE PRESIDENT'S CORNER

THE COMING convention of SOGES in New Orleans was to have been the main theme of the Corner this issue, but I've been handicapped by an unexpected strike at the elevator. Hence, I'm just going to "beat the gun" on regular convention publicity by emphasizing that you just can't afford to stay away. I know most of you now are planning to make the trip. You won't be sorry!

How about getting a new member before you leave? Wouldn't it add to your own pleasure and satisfaction to have done something worthwhile for the Society? Maybe you can't devote as much active time to SOGES affairs as you'd like. Perhaps you're not on a committee, or even able to attend many meetings. But at least you're a member and can be proud of the PRIVILEGE of being a member.

For it is a privilege, and as time goes on, will become more so. An organization with its high aims and plans cannot help but go forward. We are not going to be a static group but are even now reaching the place where we are recognized as a vital force in the advancement and improvement of the huge grain elevator industry.

What man can fail to have pride that he is connected with such a great and vital industry? And who

can feel other than shame if though working in it, he does not take part in the group which represents it?

Pride in one's work and particular field is the greatest incentive for membership. But there are many other arguments which can be effectively used on a prospective member. There is at least one prospect you know. Go get him into the fold. Then you can come to New Orleans with a clear conscience and satisfied mind.

I'm not going to use this Corner for exhortation purposes continually. But I do feel strongly (and I want you to have the same feeling) that much as we have done and are doing, when we get greater numerical strength the possibilities are unlimited. You can help by getting at least one new member yourself. I'm not only hoping but expecting each member to bring in another one.

If only half of our members would make this plan a "must," what a boost it would give our total membership. And how much more effectively we could work!

Getting back to the convention, don't be a delegate-at-large, which literally interpreted means the wife was left at home. Bring her along and plan if possible to go on one of the short cruises which have been arranged to follow the convention.

#### MINNEAPOLIS SOGES ACTIVITIES

During the summer vacation, our activities have been sort of dormant. We had planned on a family picnic, but as all know, Polio has been rather active in some parts of Minneapolis. So rather than run the risk of exposing some of our youngsters, we decided against it.

Some of our ladies have met several times this summer. The first time they had luncheon at Charlie's Exceptional. The second time they drove out to Stillwater and had lunch at the Lowell Inn and next they are planning on going down to Red Wing, Minn.

These very active lady members are: Mrs. Mabel MacIvar, Mrs. Nony Champlin, Mrs. Nellie Bredt, Mrs. Bea Anderson, Mrs. Ella Thomer, and Mrs. Ruth Ohman.

With the first fall meeting only

about a month away, we have plans for various activities. Program Chairman Ray Bakke announces that the theme for our October meeting will be "Plant Sanitation" with one of the Pillsbury officials as speaker.

November meeting — "Fire Prevention" with Chief Spottswood as speaker.

Frank Darner of W. S. Nott Co. has been appointed Chairman of the Publicity Committee. He will be in charge of keeping GRAIN supplied with news from this section — Ernest O. Ohman.

#### BELATED ACKNOWLEDGMENT

At the Minneapolis Convention a luncheon was given for the ladies at the Lafayette Club on May 13. No public acknowledgment was made of the local suppliers sponsoring it be-



cause a list was not available until recently.

Since the event was very much enjoyed by the ladies, we believe it fair (even though late) to give credit to the following firms for contributing to it: The Day Company, Anderson-Crane Rubber Co., U. S. Rubber Company, Link Belt Company, Boston Woven Hose & Rubber Co., Strong-Scott Manufacturing Co., R. R. Howell Company, Appraisal Service Co., A. C. Horn (Contracting Division), W. S. Nott Company.

### FRANK DARNER'S NOTEBOOK

There has been very little happening in the Minneapolis area of newsworthy comment. There does seem to be a lot of conversation and controversy yet in regard to paper grain doors and our Chapter will shortly have a meeting devoted entirely to this subject.

As you probably already know, our friend, Vic Champlin, retired, effective July 1. Cliff McIvar was promoted to Vic's old job. Consequently, Smith Champlin was promoted to Cliff's job. We are all happy for the promotion of these boys as they are both very deserving.

Ed Raether has become superintendent at the Great Northern Ele-

vator here in Minneapolis which the Farmer's Union Grain Terminal Company purchased earlier this year.

Our first meeting of the Fall season will be held Oct. 4 and I understand the subject at that meeting will be plant sanitation.

### CHICAGO CHAPTER SEES JAPANESE PICTURES

The first of the new 1949-50 series of monthly dinner meetings of the Chicago Chapter of the Society of Grain Elevator Superintendents was held Tuesday evening, Aug. 9th, in Martin's Marine Dining Room. There were 58 in attendance, of which just about half were ladies.

After a very much enjoyed dinner, National Director Lloyd Forsell, of Albert Schwill & Company, called the meeting to order in the absence of retiring Chapter President, E. R. Anderson, who was unable to attend because of Mrs. Anderson's illness.

President Lincoln Scott and Mrs. Scott were then introduced to the gathering by Mr. Forsell, who then also introduced all the directors present and their ladies; then all the other ladies were asked to stand, one at a time, and introduce themselves, and then the remaining men. Special welcome was extended to Ed Josephson of Schreier Malting Company, Sheboygan, Wis. and to M. M. Darling, The Glidden Company, Indianapolis, Ind., National Second Vice-President.

After the trips planned for the coming year were discussed, Mr. Scott, who, with three others, was sent to the Orient last Fall by the government to teach the Japanese to mill corn properly and utilize it as a food and in other various ways following

their rice crop failure, presented the movies he took while there.

Some of these pictures were colored, and were of a variety of subjects such as views of Tokyo, Nagasaki, Hiroshima, etc., — formal ceremonies which are always performed preceding the building of any new edifice — tea parties and boating parties — geisha girls (who caused no end of amusing comments throughout the evening) — and others.

Mr. Scott thoroughly described his pictures and, in addition, recounted many of his experiences while in the Orient, during this recent trip, and also during his first trip. At that time he was manager of Corn Product Refining Company's Heijo, Korea, plant, and he and Mrs. Scott lived in Japan for 10 years, 1930-1940.

At the end of his talk, he answered any and all questions asked of him by his interested audience, who all agreed, upon completion of the evening, that it had been an extremely educational, sociable and entertaining one.

### PREPARING FOR NEW ORLEANS

Although the annual meeting of the Society of Grain Elevator Superintendents is some time distant, (Feb. 28 to March 4, incl.) those who are aware of New Orleans' popularity know that plans must be prepared long in advance.

Secy. Dean Clark urges that reservations be made as soon as possible. The official headquarters will be the Roosevelt Hotel, but the large crowd is expected to overflow into other hotels, particularly the St. Charles, Jung and Monteleone. The new

### SOGES CHAPTERS AND DATES

1st TUESDAY—Minnesota SOGES Chapter. Ernest O. Ohman, Osborne-McMillan Elevator Co., Minneapolis, President; Robert Ranney, Ralston-Purina Co., Minneapolis, Vice-President; James Auld, Hales & Hunter Co., St. Louis Park, Secretary.

2nd TUESDAY — Omaha-Council Bluffs SOGES Chapter. John T. Goetzinger, Rosenbaum Bros., Omaha, President; W. S. Pool, Nebraska-Iowa Elevator, Omaha, Secretary.

2nd FRIDAY — Central States SOGES Chapter. M. M. Darling, The Glidden Co., Indianapolis, President; N. R. Adkins, Ralston Purina Co., Lafayette, Secretary.

3rd TUESDAY — Kansas City SOGES Chapter. Ralph Yantzi, Wolcott-Lincoln Grain Co., Kansas City, Kan., President; Robert T. Congrove, Standard Milling Co., Kansas City, Kan., Secretary.

3rd TUESDAY — Chicago SOGES Chapter. Lincoln Scott, Corn Products Refining Co., Chicago, President; Harry Hanson, Glidden Co., Chicago, Vice-President; Dale E. Wilson, Northwestern Malt & Grain Co., Chicago, Secretary.

3rd THURSDAY—Buffalo SOGES Chapter. Cornelius Halsted, General Mills, Inc., Buffalo, President; James Burns, Pillsbury Mills, Inc., Buffalo, Secretary.

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hotel now being built on the shores of Lake Pontchartrain will not be completed in time for the meeting.

The dates set will be immediately following the Mardi Gras and prior to the annual Garden Fiesta. The quaint old city will be filled with visitors, but Secy. Clark says that

convention delegates and guests will be well taken care of, providing their reservations are made early enough.

Local arrangements will be in the capable hands of Pres. Chas. J. Winters, Public Grain Elevator, New Orleans. He has appointed as General Convention Chairman, R. B. Swenson, Public Relations Counsel, Board of Port Commissioners, 2 Canal Street, New Orleans. All reservations should be sent to William F. Robinson, Chairman of Housing Bureau, 2 Canal Street, New Orleans. No confirmations will be made until after Nov. 1, but reservations should be sent immediately.

### MRS. EDWARD ANDERSON DIES

Sympathy is pouring in from all over the country to Edward R. (Andy) Anderson who lost his wife on Sept. 16 after an illness of some time. Funeral services were held in St. Barnabas church on Sept. 19.

"Andy" is superintendent of Norris Grain Company's "J" and Standard elevators in Chicago and Hammond. He is a charter SOGES (No. 8) and past president of the Chicago chapter. Mrs. Anderson will also be sadly missed at annual conventions because she and her husband were regular attendants and made a host of friends.

### HUSKISSON TO BLOOMINGTON

Herman Huskisson, formerly superintendent of Russell-Miller Milling Company's elevator at Alton, Ill. is now assistant superintendent of Rals-

ton Purina's new 2 million bu. elevator at Bloomington, Ill. The change took place on Aug. 29.

### BLOOMINGTON PLANTS VISITED

Members of Chicago SOGES chapter drove by automobile to Bloomington, Ill., on Sept. 17. There they visited Funk Bros. seed, grain and soybean plant; also Ralston Purina's elevator, feed and soybean extraction plant. There were 40 in the party which had luncheon in a Bloomington hotel.

Among them was a guest from "Down Under" — Alan E. Stephenson, Chief Engineer, Co-operative Bulk Handling, Inc., Perth, Western Australia who is touring the United States to see some of our grain elevators and processing plants.

### GLOTFELTY AT PEKIN

Frank E. Glotfelty has been made manager of the Corn Products Refining Co. plant at Pekin, Ill. He has been with the company 29 yrs. starting in the dry starch department at Argo, working up to head of that department and later to plant superintendent.

In 1938 he was transferred to Edgewater, New Jersey as plant manager. When the plant was closed in 1940, he went to the New York office where he remained until January, 1944, when he came to Chicago as assistant general factory manager. He held this position until his new move.

### COMING EVENTS FOR CHICAGO CHAPTER

The schedule of tours, meetings, etc., for remainder of the fiscal year is as follows:

- \*Sat., Oct. 8 — Alton, Ill., Russell-Miller Milling Co.
- Sat., Oct. 29—Danville, Ill., Lauhoff Grain Co.
- Tues., Nov. 15—Kankakee, Ill., Borden Co. Soy Bean Plant.
- \*Sat.-Sun., Nov. 26-27—Grand Beach (Mich.) Lodge — sports outing.
- Sat., Dec. 10 — Associates' Night, Morrison Hotel, Chicago.
- 1950
- \*Sat., Jan. 21—Ladies' Night Dinner Dance.
- Fri., Feb. 10—Joint Pre-convention meeting and Milwaukee trip.
- Tues., Mar. 28—Post-convention reporting meeting
- Tues., April 18—Hammond, Ind., Farm Bureau Milling Co., and Screw Conveyor Corporation.
- \*Tues., May 16 — Argo, Ill. Corn Products Refining Company.
- \*Tues., June 6th — Annual meeting (golf tournament).
- \*Sat.-Sun., June 24-25 — Grand Beach (Mich.) Lodge outing.
- \*Ladies invited to participate in these activities.



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Complete elevator legs, heads, boots and elevator legging . . . screw conveyor troughs . . . bins and sheet metal work to specifications.

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WE HAVE MAINTAINED OUR LEADERSHIP IN OUR FIELD BECAUSE WE HAVE ALWAYS MAINTAINED OUR MECHANICAL AND INDUSTRIAL INTEGRITY.



More Than 10,000 Contracts Completed in 20 Years

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"INDUSTRIAL  
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## OUT-OF-TOWN VISITORS

Chester A. Martin, Industrial Mch. Co. Inc., Fort Worth, Texas.

Alan E. Stephenson, Chief Engineer, Co-operative Bulk Handling, Inc., Perth, Western Australia.

Frank E. Blodgett, Weevil-Cide Co., Kansas City, Mo.

## INNIS-SPEIDEN HEAD DIES

William H. Sheffield, Ridgewood, N. J., president and general manager of Innis, Speiden & Co., manufacturers of fumigants, insecticides and other chemicals, died of a heart attack at his summer home recently. He was born August 7, 1874 in Mahwah, N. J.

Grandson of the founder of Sheffield Farms and a nephew of L. D. Halsey, another of the founders, Mr. Sheffield joined the Sheffield Farms

Co. in 1895. He was vice-president and director of Sheffield Farms until 1924 when that company joined with National Dairy Products. He became a director of Innis, Speiden & Co. in 1912 and was president and general manager from 1926 until he died.

He also was president of the Jensen Machinery Co., vice-president and chairman of the executive committee of Flako Products.

## LARGE SEEDBURO CATALOG

A new 144-page catalog, the largest in its field, has recently been released by Seedburo Equipment Company. It is of special interest to elevator and grain men because of the new soybean grades which are incorporated therein.

# THE BARLEY BIN

## NEW BARLEY

To date we have found the samples representing the new barley crop to be quite spotty. Both good and poor barley is found in the same territory. The new crop is definitely much smaller in berry size, and extracts appear to be lower than that found in the '48 crop. This, of course, concerns the maltster and brewer since it increases cleaning costs and lowers brewery yields.

The government crop report of August 1st did show a substantial reduction in forecast of new barley crop produced. The latest Department of Agriculture report forecast was 232,787,000 bus. as compared to 317,037,000 bus. last year. However, with stocks of barley on farms July 1st, 1949 in the Middle West of 36,094,000 bus. as compared to 13,820,000 bus. last year, it is generally felt that ample barley will be available for maltsters' requirements.

Small, elongated, thin kernels indicate a rushed maturity and extracts in such barley are low, and very often discriminated against by the maltster. Therefore, care should be exercised by the country buyers in taking this type of barley to prevent serious price penalties when sent to market.

Other important factors effecting prices are any odor or sign of heating, or having been heated, mixing of blue or white barley, as well as excess skinned or broken. If bin space permits, it may be well to segregate rough-awned from smooth-

awned varieties. Depending on the maltster requirements, premiums may be paid if a car is either straight smooth or rough-awned.

Information regarding factors determining malting quality, and suggestions as to handling of barley and its care, can be had by writing to Dr. John Parker, Midwest Barley Improvement Association, Milwaukee, Wis.—*Barley Committee of Society of Grain Elevator Superintendents.*

## CANADIAN BARLEY INSTITUTE ESTABLISHES SCHOLARSHIPS

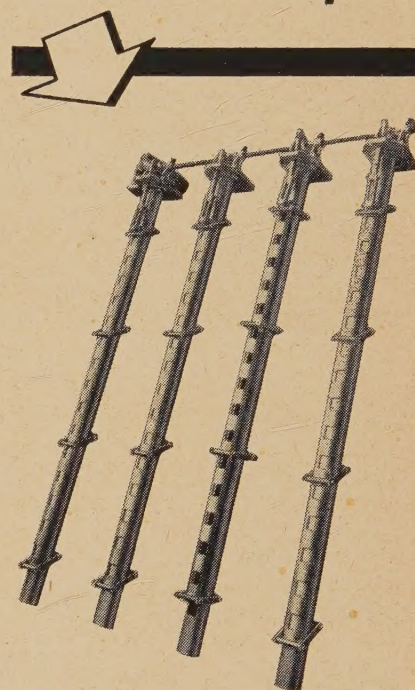
Scholarships to six Canadian universities were recently established by the Barley Improvement Institute, Winnipeg, Man. The fund appropriated totals \$19,200 and is designed to train barley scientists and to breed new varieties of barley.

The universities to which the scholarships are being given by the Institute are the Universities of Manitoba, Saskatchewan, Alberta, and British Columbia; Ontario Agricultural College, Guelph; and MacDonald College, McGill University, Montreal.

The Institute's donation to the work of barley research is primarily to assist in developing better malting varieties. It is working in co-operation with extension branches of the departments of Agriculture of the provinces and with the Plant Products Division of the Dominion Department of Agriculture. In co-operation with them it is continuing

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the National Barley Contest in 1949.

Outlining the recent improvement in barley standards, director of the Institute T. J. Harrison, in announcing



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GREATER CAPACITY**

and will operate more efficiently at less cost than other elevator cups.

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ing the scholarships, said that part of it had no doubt been due to interest stimulated among producers by the National Contests started by the brewing and malting industries in 1946.

Great improvement was evidenced in the National Barley Contests. In its first year, 45% of the carload entries were disqualified because of mixture and poor grades and never got to the judges at all. In 1948, only 8% of the entries were disqualified for these reasons.

## GRAIN AND NORTHWEST

*(Concluded from Page 4)*

Now we are not a superior people or a master race, but always we have endeavored to preserve and expand this climate of freedom for the individual. All of us know the spiritual and political aspects of this climate though sometimes I think we treat them with too much indifference. But few of us take the trouble to understand the economic side of freedom, nor do we appreciate the great contribution which freedom of trade has made to our material welfare.

The United States is the largest free trade area in the world. There are no tariff barriers between our states. Flour manufactured here in

Minneapolis is freely available to buyers in New York and California. It is for the consumer to decide freely and without coercion whether or not he will buy it. Through the competitive price system he is given a wide choice of products, and his decisions pretty well govern the decisions of industry and agriculture.

## Private Enterprise

A prominent contemporary economist has likened our economic machine to a donkey. There is behind the donkey the stick of necessity, and in front of his nose there is the carrot of incentive. It is understandable today after many of us now alive have been through two world wars and two severe depressions, the last one the worst in recorded history, that we should be thinking about security and mechanisms which might eliminate the stick. The same economist who made the analogy of the donkey tells us today that Britain's Socialist government has all but banished from the land the faintest fragrance of the carrot and the lightest shadow of the stick.

Now it is easy to become dogmatic about Socialism. We ought to be frank about it and recognize that we have a good deal of it here in this country. Few of us would like to operate our own individual police and fire departments, carry our own mail, or build our own roads.

But I do suggest that we must be careful not to kill the goose which has been laying our golden eggs. Or to put it another way, we must preserve within the widest possible bounds an economic climate favorable to free competitive private enterprise. If we are to maintain and improve our standards of living, we must realize that our problem is not one of static division of present product but of multiplication of products so that there will be more for all to share.

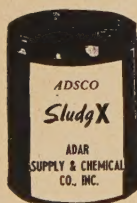
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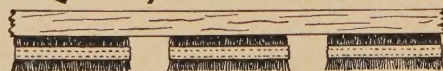
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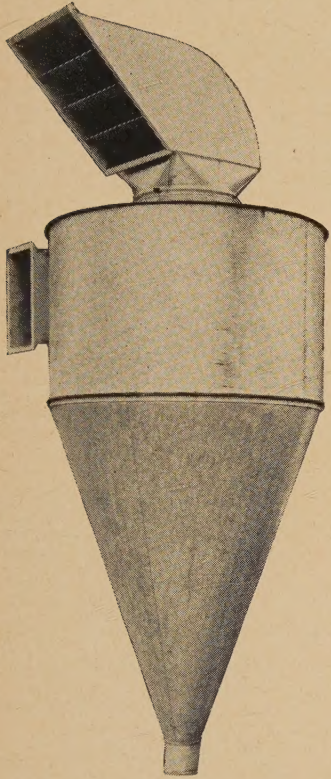
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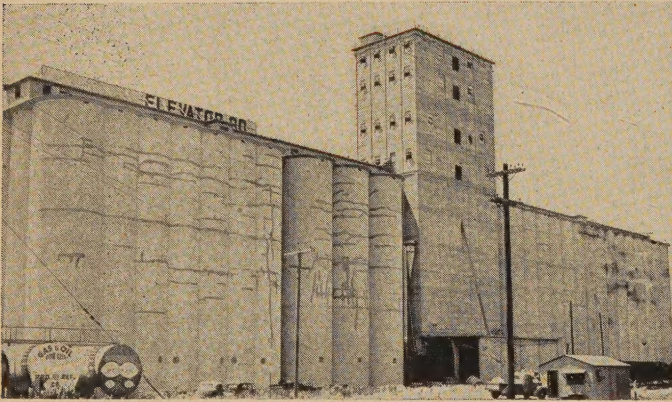
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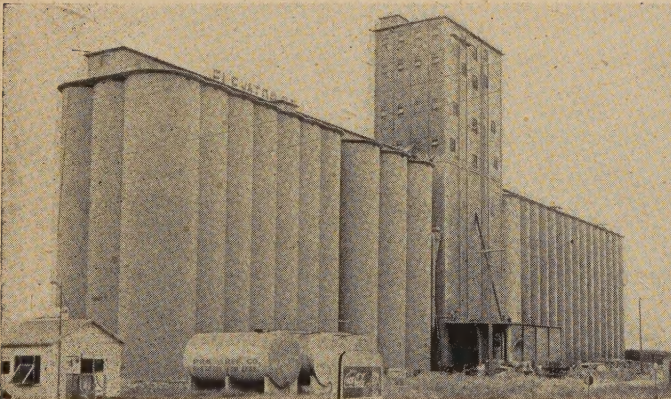
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